

## ABSTRACT OF THE DISCLOSURE

A method and an apparatus for laser microdissection of specimen regions (23) of interest of a specimen (4) are described. In a first step, an incomplete cut line (25) enclosing the specimen region (23) of interest is generated by means of a laser beam (7). At the incomplete point of the cut line (25), there remains a web (26) which joins the specimen region (23) of interest to the surrounding specimen (4). In a second step, the web (26) is severed with a single laser pulse directed onto it, thereby completing the cut line. The specimen region (23) of interest is in that context detached from the specimen (4) and falls by the action of gravity into a collection vessel (19).

(FIG. 2)

TOP SECRET